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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	4	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS	5	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS	6	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS	7	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS	8	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS	9	JUL 27	CA/CAplus enhanced with new citing references
NEWS	10	JUL 16	GBFULL adds patent backfile data to 1855
NEWS	11	JUL 21	USGENE adds bibliographic and sequence information
NEWS	12	JUL 28	EPFULL adds first-page images and applicant-cited references
NEWS	13	JUL 28	INPADOCDB and INPAFAMDB add Russian legal status data
NEWS	14	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	15	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	16	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	17	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS	18	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	19	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:14:24 ON 18 SEP 2009

=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.22       0.22

FILE 'REGISTRY' ENTERED AT 11:14:43 ON 18 SEP 2009
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STRUCTURE FILE UPDATES:   16 SEP 2009  HIGHEST RN 1185221-67-3
DICTIONARY FILE UPDATES:  16 SEP 2009  HIGHEST RN 1185221-67-3

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
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chain nodes :
7  8  9  10  11  12  13  14  15  16  17  18
ring nodes :
1  2  3  4  5  6
chain bonds :
2-7  5-13  7-8  8-9  9-10  10-11  11-12  13-14  14-15  15-16  16-17  17-18
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
7-8  8-9  11-12  13-14  14-15  17-18
exact bonds :
2-7  5-13  9-10  10-11  15-16  16-17
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
 11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS
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L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.


=> s l1 fam ful
FULL SEARCH INITIATED 11:16:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     3683 TO ITERATE

100.0% PROCESSED     3683 ITERATIONS                                 3 ANSWERS
SEARCH TIME: 00.00.01

L2            3 SEA FAM FUL L1

=> d l2 1-3

L2   ANSWER 1 OF 3  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   1061600-89-2  REGISTRY
ED   Entered STN:  15 Oct 2008
CN   1,4-Benzenedimethanamine, N1,N4-bis(3-aminopropyl)-, hydrochloride (1:4)
     (CA INDEX NAME)
MF   C14 H26 N4 . 4 Cl H
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER
CRN  (144487-60-5)
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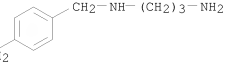


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                    ●4  HCl

                1 REFERENCES IN FILE CA (1907 TO DATE)
                1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2   ANSWER 2 OF 3  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   181524-47-0  REGISTRY
ED   Entered STN:  03 Oct 1996
CN   1,4-Benzenedimethanamine, N,N'-bis(3-aminopropyl)-,
     tetrakis(trifluoroacetate) (9CI)  (CA INDEX NAME)
MF   C14 H26 N4 . 4 C2 H F3 O2
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER

     CM   1

     CRN  144487-60-5
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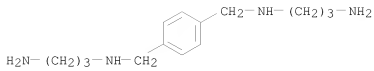
CMF C14 H26 N4

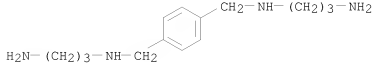


CM 2

CRN 76-05-1
CMF C2 H F3 O2

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN
RN 144487-60-5 REGISTRY
ED Entered STN: 13 Nov 1992
CN 1,4-Benzenedimethanamine, N,N'-bis(3-aminopropyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,4-Bis(5-amino-2-azapentyl)benzene
MF C14 H26 N4
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 80.92 81.14

FILE 'CAPLUS' ENTERED AT 11:16:53 ON 18 SEP 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 18 Sep 2009 VOL 151 ISS 13
FILE LAST UPDATED: 17 Sep 2009 (20090917/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family
of databases have been updated to include new citing references
information. This enhancement may impact record import into
database management software. For additional information, refer
to NEWS 9.

=> s l2
L3 7 L2

=> d l3 ibib abs 1-7

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:1158353 CAPLUS
DOCUMENT NUMBER: 149:394712
TITLE: Nitrogen-containing compounds blocking binding of cytotoxic compounds to the megalin receptor for the prevention of drug-induced cytotoxicity, including nephrotoxicity
INVENTOR(S): Boye, Soeren Valdgaard; Thinggaard, Jacob
PATENT ASSIGNEE(S): Recepticon ApS, Den.
SOURCE: PCT Int. Appl., 131pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008113364	A2	20080925	WO 2008-DK50070	20080319
WO 2008113364	A3	20090416		

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: DK 2007-424 A 20070320
DK 2007-958 A 20070629

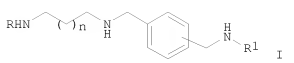
AB The invention discloses the use of compds. for the manufacture of a medicament for the prophylaxis and/or treatment of induced cell toxicity, such as nephrotoxicity and ototoxicity, in particular where the cell toxicity is induced by a medical treatment. In an embodiment, the compds. have at least two nitrogen atoms, more preferably at least two amino groups. The compds. of the invention are capable of blocking binding of cytotoxic compds. to the megalin receptor, and thereby inhibiting uptake of the cytotoxic compds. into cells. The invention further discloses compds. for use in the treatment, as well as a method for reducing the cytotoxicity of cytotoxic compds.

L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:878166 CAPLUS
DOCUMENT NUMBER: 141:366226
TITLE: Preparation of polyamine analogs that activate antizyme frameshifting
INVENTOR(S): Burns, Mark R.; Graminski, Gerard F.
PATENT ASSIGNEE(S): Mediquest Therapeutics, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 33 pp., Cont.-in-part of U.S. Ser. No. 251,819.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

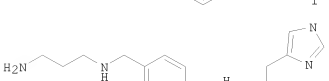
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040209926	A1	20041021	US 2004-810649	20040329
US 7144920	B2	20061205		
US 20040058954	A1	20040325	US 2002-251819	20020923
US 6914079	B2	20050705		
AU 2004319105	A1	20051110	AU 2004-319105	20040329
CA 2555862	A1	20051110	CA 2004-2555862	20040329
EP 1730100	A1	20061213	EP 2004-821940	20040329
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, LT, LV, MK				
JP 2007537158	T	20071220	JP 2007-506115	20040329

PRIORITY APPLN. INFO.: US 2002-251819 A2 20020923
WO 2004-US4339 A 20040213
WO 2004-US9582 A 20040329

OTHER SOURCE(S): MARPAT 141:366226
GI



I



II

AB Novel polyamines, their synthesis and use in pharmacol., cosmetic or agricultural applications are provided. Novel polyamines having the structure (I) [wherein, n = 0-8; the aminomethyl functionality can be ortho, meta or para substituted; R = H, Me, Et, 2-aminoethyl, 3-aminopropyl, 4-aminobutyl, 5-aminopentyl, 6-aminohexyl, 7-aminoheptyl, 8-aminooctyl, N-methyl-2-aminoethyl, N-methyl-3-aminopropyl, N-methyl-4-aminobutyl, N-methyl-5-aminopentanyl, N-methyl-6-aminohexyl, N-methyl-7-aminoheptyl, N-methyl-8-aminooctyl, N-ethyl-2-aminoethyl, N-ethyl-3-aminopropyl, N-ethyl-4-aminobutyl, N-ethyl-5-aminopentyl, N-ethyl-6-aminohexyl, N-ethyl-7-aminoheptyl, N-ethyl-8-aminooctyl; R1 = H, straight or branched C1-20 (un)saturated aliphatic, aliphatic amine (except for propylamine when R = H, n=1 and the aminomethyl functionality is para substituted), alicyclic group, single or multi-ring aromatic group, single or multi-ring aryl substituted aliphatic group, aliphatic-substituted single or multi-ring aromatic group, single or multi-ring heterocyclyl, single or multi-ring heterocyclic-substituted aliphatic, aliphatic-substituted aromatic group, halogenated forms thereof; wherein said polyamine is a non-sym. xylene] are prepared Also provided are the use of the polyamines in pharmacol., cosmetic or agricultural applications. The polyamines induce antizyme production which in turn down regulates both the production of polyamines
by ornithine decarboxylase (ODC) and the transport of polyamines by its corresponding polyamine transporter. These compds. will preferably enter the cell independent of the polyamine transporter. As drugs, these compds. are used as fungal, bacterial, viral and parasitic agents or to treat any disease associated with cellular proliferation including cancer, mucositis, asthma, inflammation, autoimmune disease, psoriasis, restentosis, rheumatoid arthritis, scleroderma, systemic and cutaneous lupus erythematosus, Type I insulin dependent diabetes, tissue transplantation, osteoporosis, hyperparathyroidism, treatment of peptic ulcer, glaucoma, Alzheimer's disease, Crohn's disease, and other inflammatory bowel diseases. A series of compds. I were screened for their ability to induce frameshifting using the dual luciferase reporter assay in HEK-293 cells. Some of these compds. induced frameshifting substantially better than spermidine. For example, compound (II) showed the percent relative frameshifting value (% RF) of 150% compared to 25 μM spermidine.

REFERENCE COUNT: 90 THERE ARE 90 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:252193 CAPLUS
DOCUMENT NUMBER: 140:264534
TITLE: Polyamine analogs that activate antizyme framshifting
INVENTOR(S): Burns, Mark R.; Graminski, Gerard F.
PATENT ASSIGNEE(S): Mediquest Therapeutics, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 29 pp.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040058954	A1	20040325	US 2002-251819	20020923
US 6914079	B2	20050705		
EP 1813636	A1	20070801	EP 2004-78583	20040213
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR, AL, LT, LV, MK				
US 20040209926	A1	20041021	US 2004-810649	20040329
US 7144920	B2	20061205		
AU 2004319105	A1	20051110	AU 2004-319105	20040329
CA 2555862	A1	20051110	CA 2004-2555862	20040329
WO 2005105729	A1	20051110	WO 2004-US9582	20040329
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1730100	A1	20061213	EP 2004-821940	20040329
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, LT, LV, MK				
JP 2007537158	T	20071220	JP 2007-506115	20040329

PRIORITY APPLN. INFO.:
US 2002-251819 T0 20020923
WO 2004-US4339 A 20040213
WO 2004-US9582 A 20040329

OTHER SOURCE(S): MARPAT 140:264534

AB The invention provides synthesis and use of polyamines in pharmacol., cosmetic or agricultural applications. The polyamines induce antizyme production which in turn down regulates both the production of polyamines by ornithine decarboxylase (ODC) and the transport of polyamines by its corresponding polyamine transporter. These compds. will preferably enter the cell independent of the polyamine transporter. As drugs, these compds. are used to treat any disease associated with cellular proliferation including but not limited to cancer. As such, they will be useful as drugs to treat diseases where components of the immune system undergo undesired proliferation. The compds. will also be effective for the treatment of unwanted proliferation of hair or skin. The invention also identifies key structural elements expected to comprise the antizyme inducing motifs of small mols. related to polyamines.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:553544 CAPLUS
DOCUMENT NUMBER: 133:164201
TITLE: Preparation of agmatine and polyamine analogs as antizyme modulators for use as drugs and agricultural agents
INVENTOR(S): Vermeulin, Nicolaas M. J.; Burns, Mark R.; Webb,

Heather K.
PATENT ASSIGNEE(S): Oridigm Corporation, USA
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000046187	A2	20000810	WO 2000-US2972	20000204
WO 2000046187	A3	20001214		
W: AL, AM, AU, AZ, BA, BB, BG, BR, CA, CN, CU, CZ, EE, FI, GE, HU, IL, IS, JP, KG, KP, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, BY, KZ, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2362259	A1	20000810	CA 2000-2362259	20000204
EP 1159261	A2	20011205	EP 2000-913365	20000204
EP 1159261	B1	20051102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002536357	T	20021029	JP 2000-597259	20000204
JP 4094230	B2	20080604		
AU 778343	B2	20041202	AU 2000-34829	20000204
AT 308515	T	20051115	AT 2000-913365	20000204
JP 2007176948	A	20070712	JP 2007-38690	20070219

PRIORITY APPLN. INFO.: US 1999-118892P P 19990205
JP 2000-597259 A3 20000204
WO 2000-US2972 W 20000204

AB A polyamine analog of spermine comprising of four amine groups capable of forming four pos. charges at physiol. pH, wherein the first and second amine groups, and the third and fourth amine groups, are separated by the distance of four cC-C and or C-N bonds and the second and third amine are separated by the distance of five C-C and/or C-N bonds or more; wherein the the second and third amines are separated by a straight or branched C2-10-alkyl, -alkenyl, -alkynyl, alkoxy, aliphatic; C3-10-alicyclic, single or multi-ring aromatic or aryl; aryl-substituted alkyl, alkenyl, alkynyl; multiring aryl-substituted aliphatic; aliphatic-substituted single or multi-ring aromatic; alkyl-, alkenyl-, alkynyl-substituted aryl; single or multi-ring heterocyclic; single or multi-ring heterocyclic-substituted aliphatic; aliphatic-substituted aromatic; heterocyclic-substituted alkyl, alkenyl, alkynyl; alkyl-, alkenyl-, alkynyl-substituted heterocycle and wherein said analog induces expression of full-length antizyme. The present invention is directed to agmatine and polyamine analogs and their use as drugs, as well as agricultural or environmentally useful agents. As drugs, the analogs decrease cellular polyamine levels, possibly by inducing antizyme, and can be used to treat disorders of undesired cell proliferation, including cancer, viral infections and bacterial infections. The analogs may be utilized in pharmaceutical compns. either alone or in combination with other agents, particularly other inhibitors of polyamine synthesis or transport, but including other inhibitors of cell proliferation. The analogs are not necessarily metabolized to contribute to the polyamine pool and are designed to enter cells by pathways independent of polyamine transport. The invention further defines structural elements/motifs within these analogs that are key to their induction of antizyme.

OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:794324 CAPLUS
DOCUMENT NUMBER: 132:36027
TITLE: Preparation of butyryl-tyrosinyl spermine analogs which inhibit binding of etiological agent to glutamate receptor
INVENTOR(S): Nakanishi, Koji; Huang, Danwen; Choi, Seok-ki; Kalivretenos, Aristotle; Goodnow, Robert
PATENT ASSIGNEE(S): Trustees of Columbia University, USA
SOURCE: U.S., 81 pp., Cont.-in-part of U. S. 5,770,625. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6001824	A	19991214	US 1995-376924	19950123
US 5770625	A	19980623	US 1994-275336	19940714
WO 9622962	A1	19960801	WO 1996-US1128	19960123
W: AU, CA, JP, MX, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9651684	A	19960814	AU 1996-51684	19960129
PRIORITY APPLN. INFO.:			US 1988-153151	B2 19880208
			US 1991-701223	B1 19910516
			US 1994-275336	A2 19940714
			US 1995-376924	A 19950123
			WO 1996-US1128	W 19960123

OTHER SOURCE(S): MARPAT 132:36027
AB Compds. R1(CO)nNHCH*(CH2R2)(CH2)tCONH(CH2)mCHR5(CH2)oNH(CH2)p(C6H4-p)jCHR6(CH2)qNH(CH2)rCHR7(CH2)sNR3R4 [R1 = saturated or unsatd. linear or branched chain alkyl, or cholesatnyl; R2 = 2-, 3-, 4-, or 5-indolyl, 4-hydroxyphenyl, 4-(arylalkyloxy)phenyl, 3,4-dihalophenyl, 4-hydroxy-3,5-dihalophenyl, 4-azidophenyl, 4-halophenyl; R3 = H, alkyl, alkenyl, Ph, 2-, 3-, or 4-azidophenyl, 4-azidobenzoyl, alkenylacyl, N-[N-[N-(4-azidobenzoyl)aminopropyl]aminopropyl], cis- or trans-cinnamyl, 2-amino-2-[(4'-azidophenyl)acetyl], N-(2,2,2-trifluoroethyl)glycyl, D- or L-arginyl or lysyl group bonded through the α-carbonyl moiety; R4 = H, alkyl; R5, R6, R7 = H, alkyl, aryl, arylalkyl; n = 1; j, t = 0; m, o, q, r, s = 1; p = 2; * denotes a D or L configuration], which inhibit binding of an etiol. agent to a glutamate receptor, were prepared Thus, p-nitrophenyl N-butyryl-O-benzyl-L-tyrosinate was condensed with spermine in MeOH to give N-butyryl-O-benzyl-L-tyrosine spermine amide (I) and bis(N-butyryl-O-benzyl-L-tyrosine) spermine amide. I was hydrogenolyzed in the presence of 5% Pd-C in MeOH to give philanthotoxin-343, which showed IC50 = 2.3 x 10-5 for antagonizing the neurally-evoked twitch contraction of the locust Schistocerca gregaria metathoracic extensor tibiae muscle.
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:593837 CAPLUS
DOCUMENT NUMBER: 125:248490
ORIGINAL REFERENCE NO.: 125:46473a,46476a
TITLE: Butyryl-tyrosinyl spermine and analogs thereof

inhibiting binding of etiological agent to glutamate receptor, and methods of preparing and using same

INVENTOR(S): Nakanishi, Koji; Huang, Danwen; Choi, Seok-Ki; Kalivretenos, Aristotle; Goodnow, Robert

PATENT ASSIGNEE(S): Trustees of Columbia University in the City of New York, USA

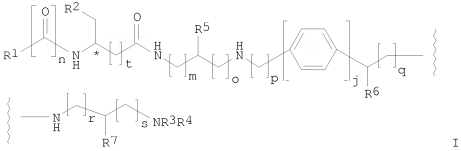
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

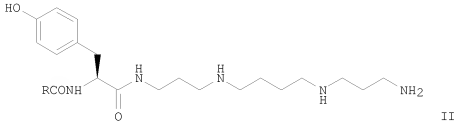
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9622962	A1	19960801	WO 1996-US1128	19960123
W: AU, CA, JP, MX, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6001824	A	19991214	US 1995-376924	19950123
AU 9651684	A	19960814	AU 1996-51684	19960129
PRIORITY APPLN. INFO.:			US 1995-376924	A 19950123
			US 1988-153151	B2 19880208
			US 1991-701223	B1 19910516
			US 1994-275336	A2 19940714
			WO 1996-US1128	W 19960123

OTHER SOURCE(S): MARPAT 125:248490

GI



I



II

AB Compds. having structure [I; R1 = saturated or unsatd. linear or branched chain alkyl, or cholestanyl; R2 = 2-, 3-, 4-, or 5-indolyl, 4-hydroxyphenyl, 4-(arylalkyloxy)phenyl, 3,4-dihalophenyl, 4-hydroxy-3,5-dihalophenyl, 4-azidophenyl, 4-halophenyl; R3 = H, linear or branched chain alkyl or alkenyl group, or Ph, 2-, 3-, or 4-azidophenyl, alkenylacyl, 3-amino-3-butylpropyl, N-[N-[N-(4-azidobenzoyl)aminopropyl]aminopropyl], cis- or trans-cinnamyl,

2-amino-2-[(4'-azidophenyl)acetyl], (trifluoromethyl)-aminoacetyl, D- or L-arginyl group bonded through the α-carbonyl moiety thereof; R4 = H, linear or branched chain alkyl; R5, R6, R7 = H, linear or branched chain alkyl, aryl, arylalkyl; n, j, t = 0, 1; m, o, p, q, r, s = 0, 1, 2; r + s and m + o = 2; when j = 0, p + q = 2; if j = 1, p = 1, q = 0, and R6 = H; * denotes a D or L configuration], which inhibit binding of an etiol. agent to a quisqualate glutamate receptor, in particular N-methyl-D-aspartate receptor, are prepared Another aspect of the invention concerns a method of treating a subject afflicted by a disorder associated with binding of an etiol. agent to a glutamate receptor. These compds. are useful for treating a neurodegenerative disease (Huntington's disease, Parkinson's disease, or Alzheimer's disease), movement disorder such as epilepsy, or a stroke-related disorder associated with excessive binding of glutamate receptors. An insecticidal composition comprising I is also claimed. Thus, p-nitrophenyl N-butyryl-O-benzyl-L-tyrosinate was condensed with spermine in MeOH to give N-butyryl-O-benzyl-L-tyrosine spermine amide (II) and bis(N-butyryl-O-benzyl-L-tyrosine) spermine amide. II was hydrogenolyzed in the presence of 5% Pd-C in MeOH to give philanthotoxin-343 (III; R = n-Pr). The latter compound and III (R = n-nonyl) showed IC50 of 1.3 + 10-5 and 1.4 + 10-6 M, resp., for antagonizing the neurally-evoked twitch contraction of the locust Schistocerca gregaria metathoracic extensor tibiae muscle.

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1992:647274 CAPLUS
DOCUMENT NUMBER: 117:247274
ORIGINAL REFERENCE NO.: 117:42683a,42686a
TITLE: Survey of the DNA binding properties of natural and synthetic polyamino compounds
AUTHOR(S): Stewart, Kent D.; Gray, Thomas A.
CORPORATE SOURCE: Winship Cancer Cent., Emory Univ., Atlanta, GA, 30322, USA
SOURCE: Journal of Physical Organic Chemistry (1992), 5(8), 461-6
CODEN: JPOCEE; ISSN: 0894-3230
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Using a fluorescence-detected ethidium displacement assay, the calf thymus DNA complexation properties of 27 mono-, di-, tetra- and hexacationic polyamines were determined The DNA-binding activity of these polyamine compds. increased with increasing cationic charge on the polyamine. Although most of the compds. exhibited no base pair binding selectivity, two of the tricationic polyamines possessing addnl. neutral amine groups exhibited approx. ten-fold GC binding selectivities.

OS.CITING REF COUNT: 42 THERE ARE 42 CAPLUS RECORDS THAT CITE THIS RECORD (44 CITINGS)

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